

FIG. 1

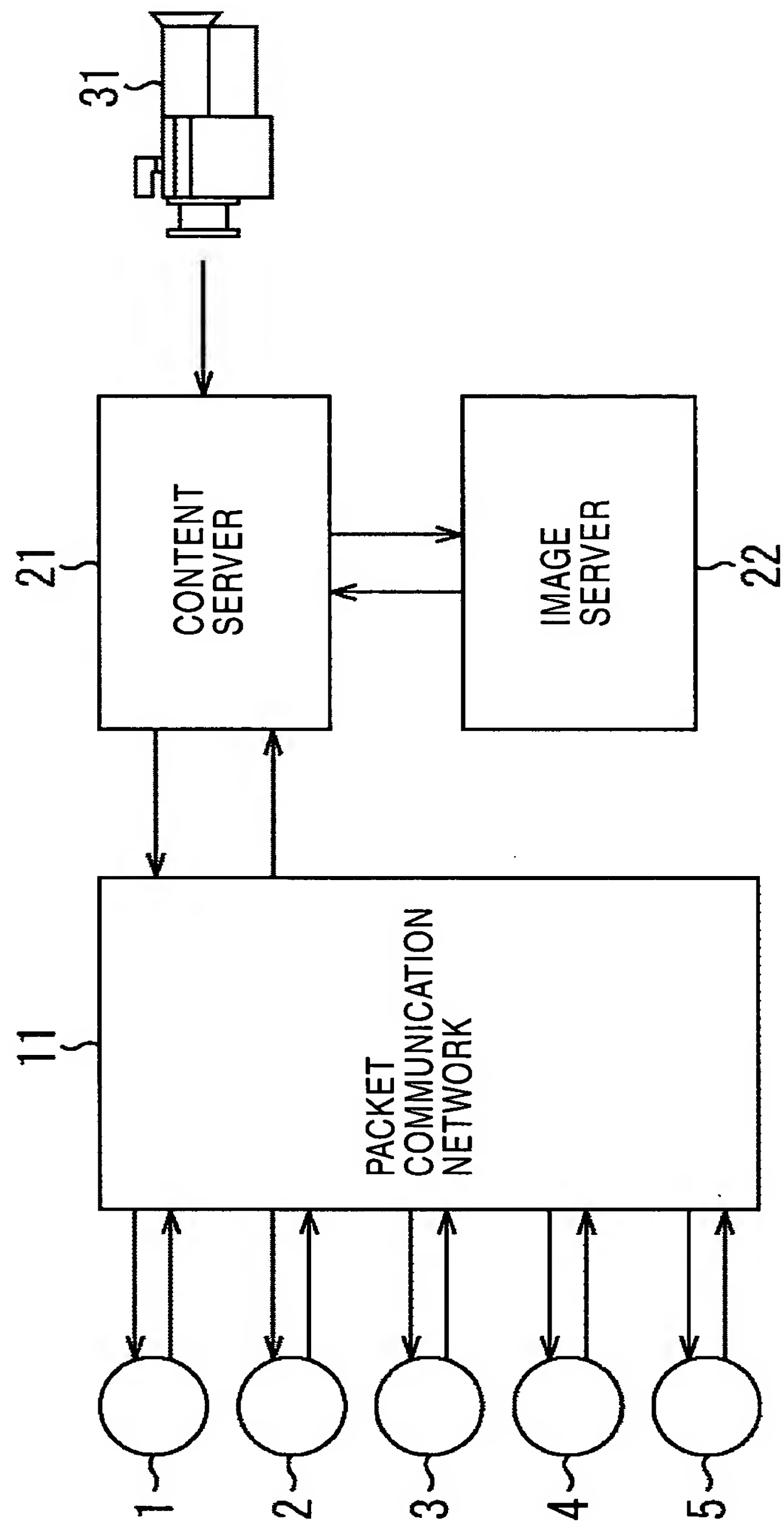


FIG. 2

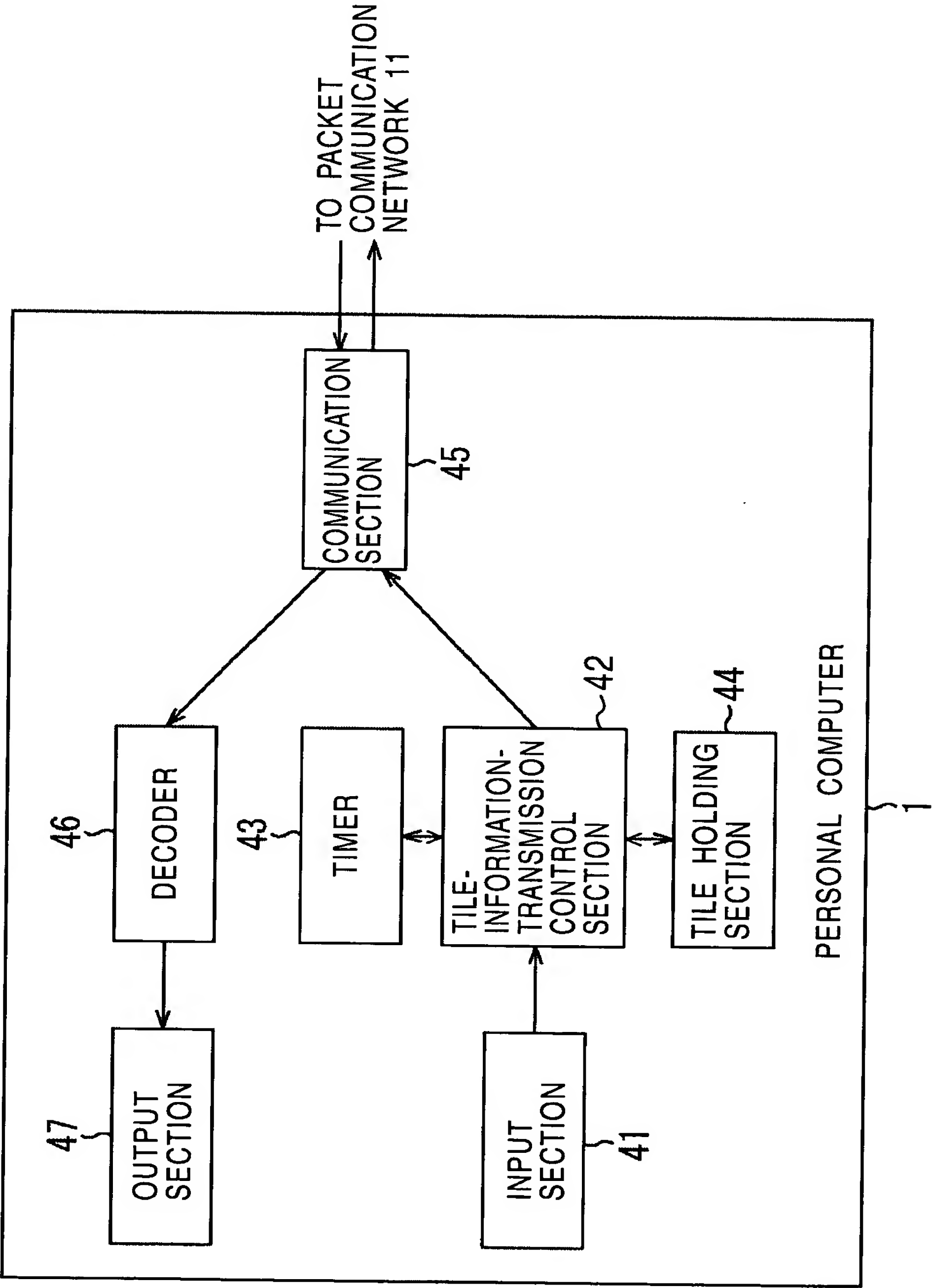


FIG. 3

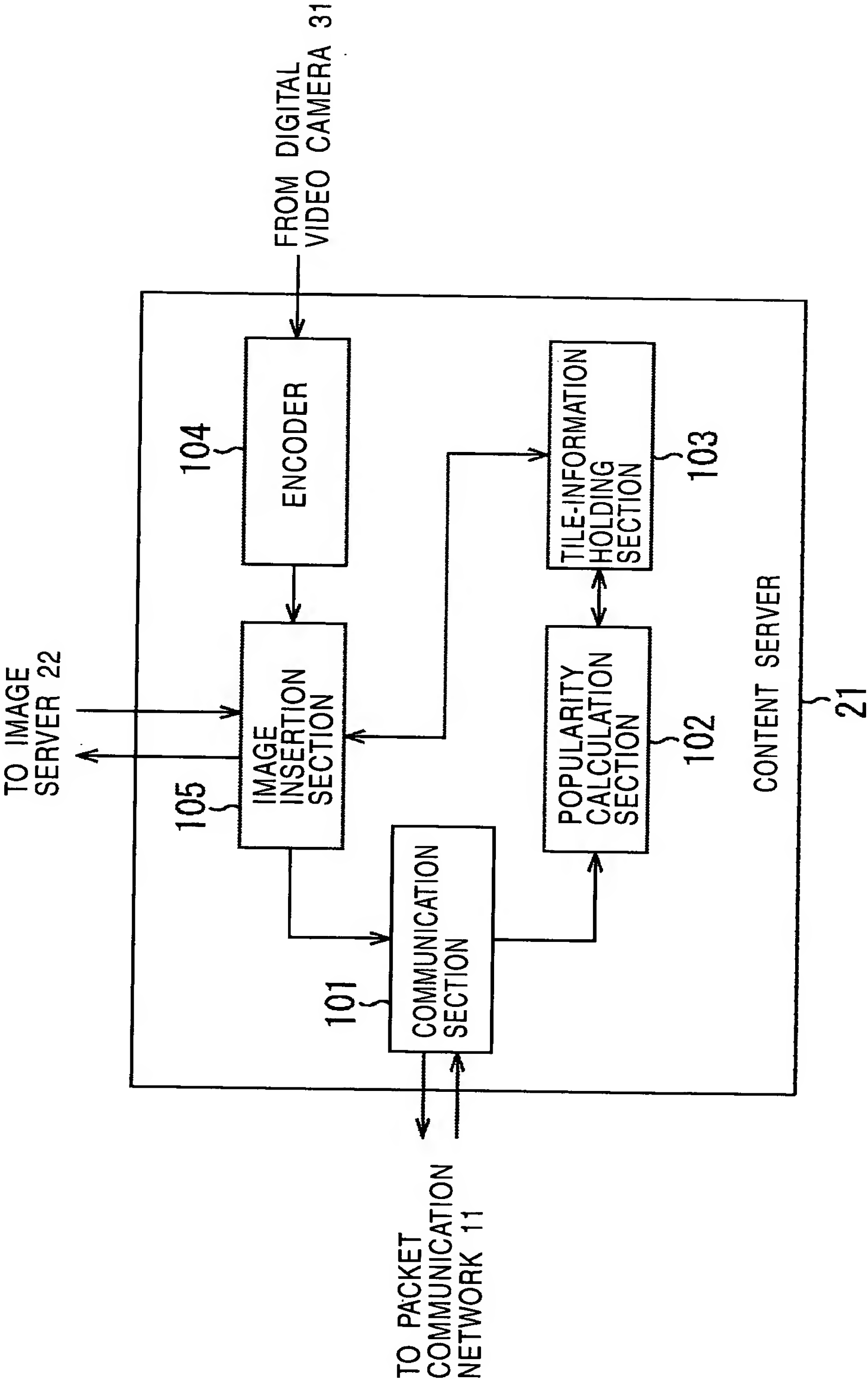


FIG. 4

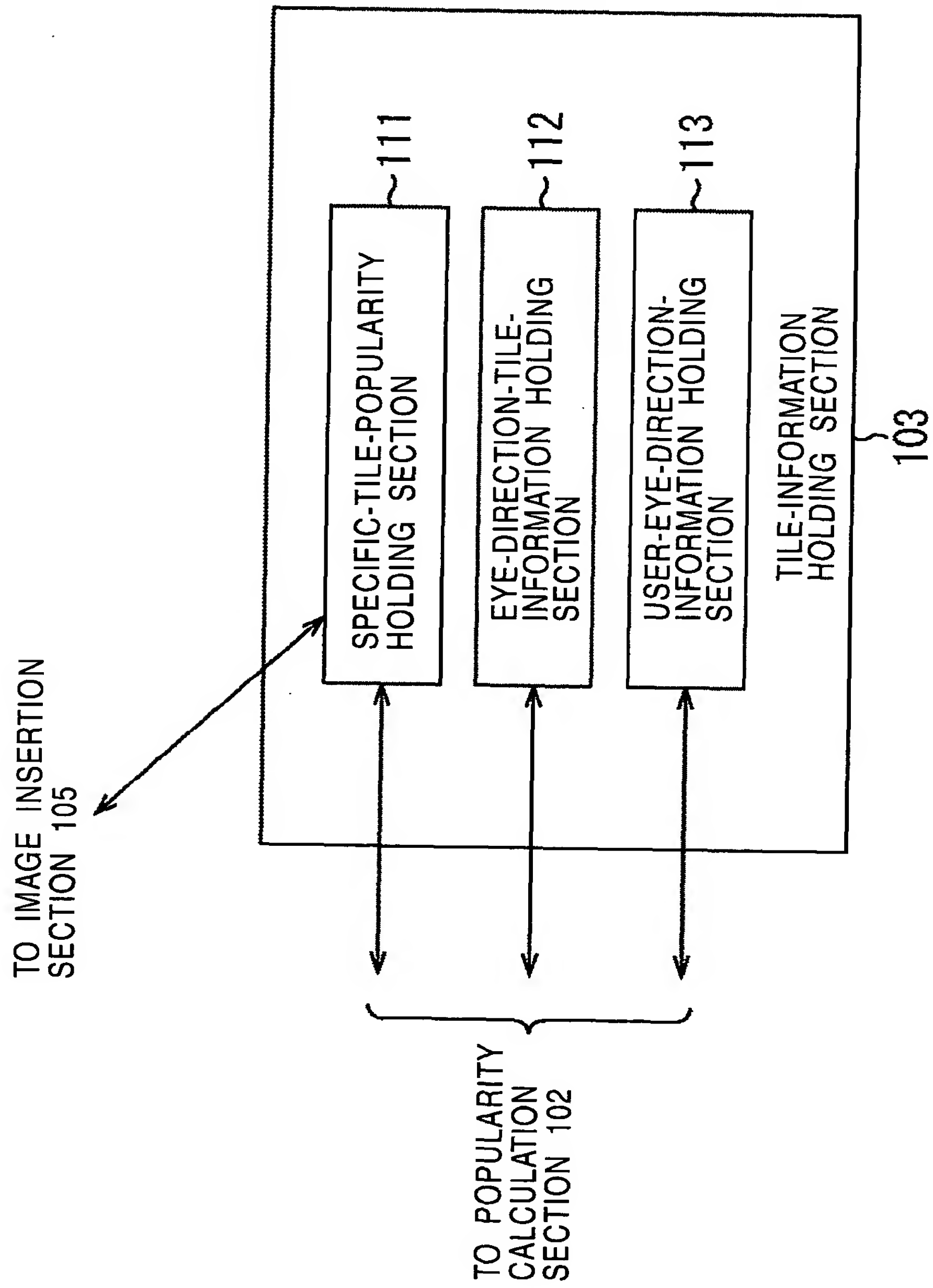


FIG. 5

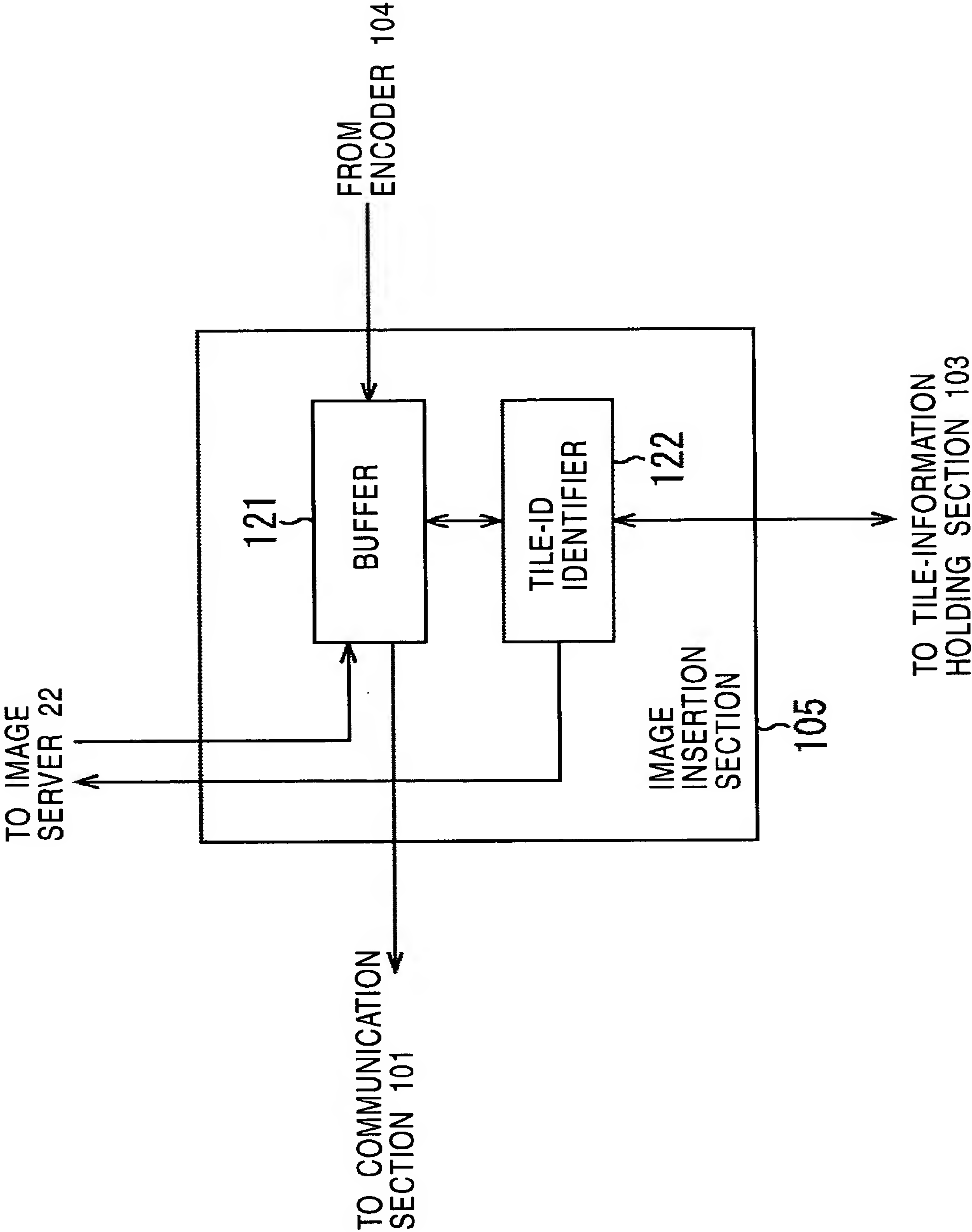
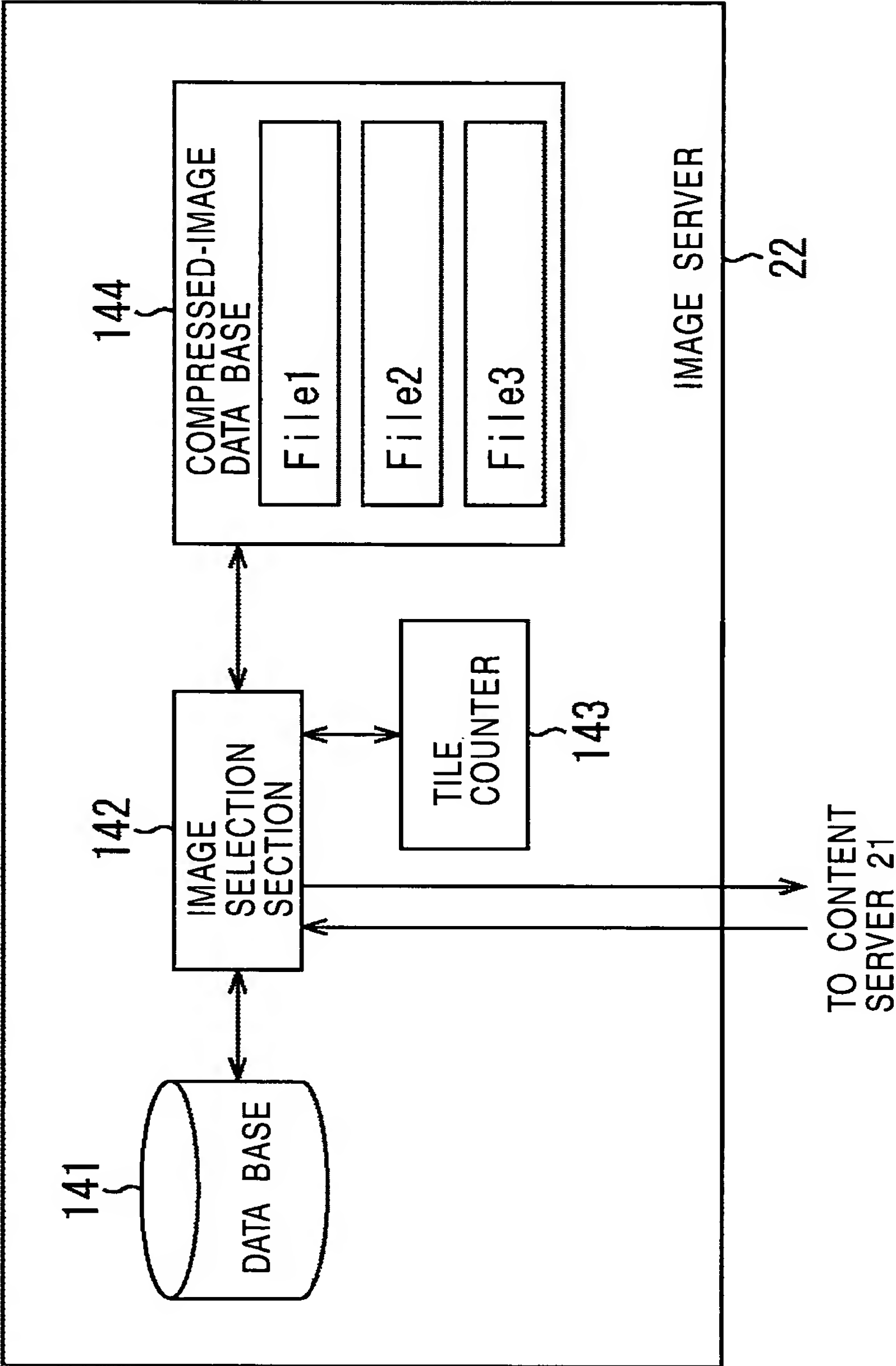


FIG. 6



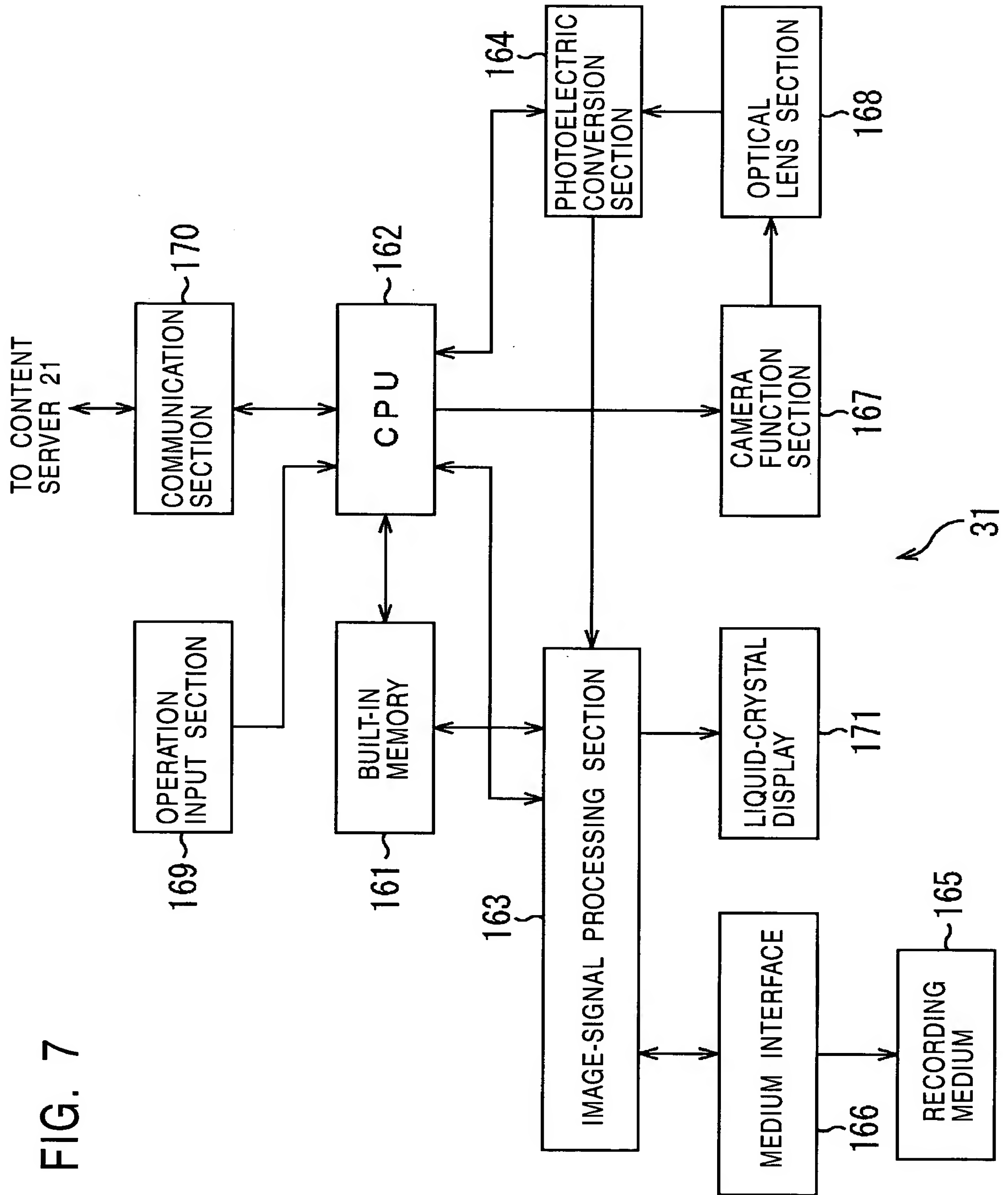


FIG. 8

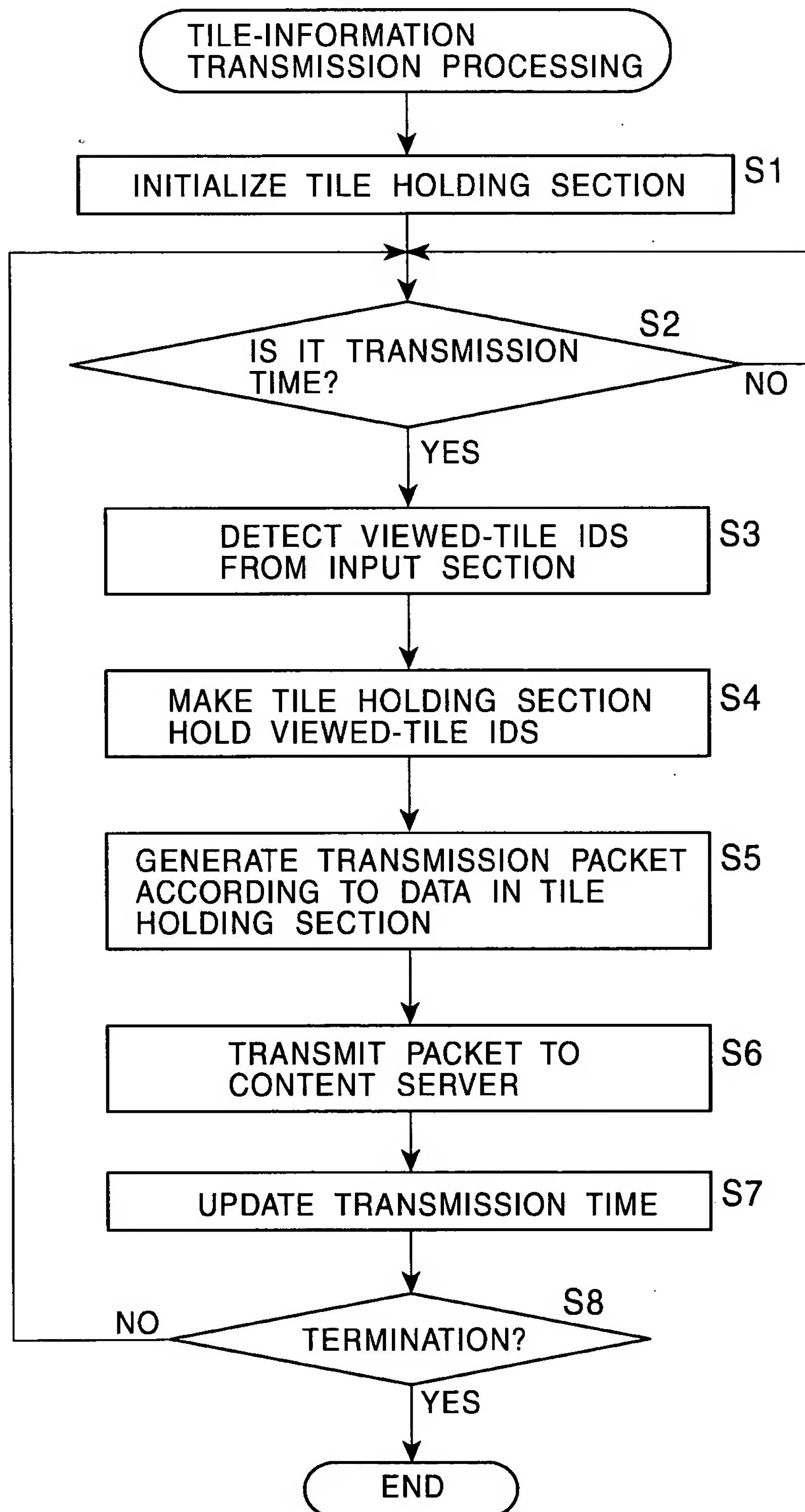


FIG. 9

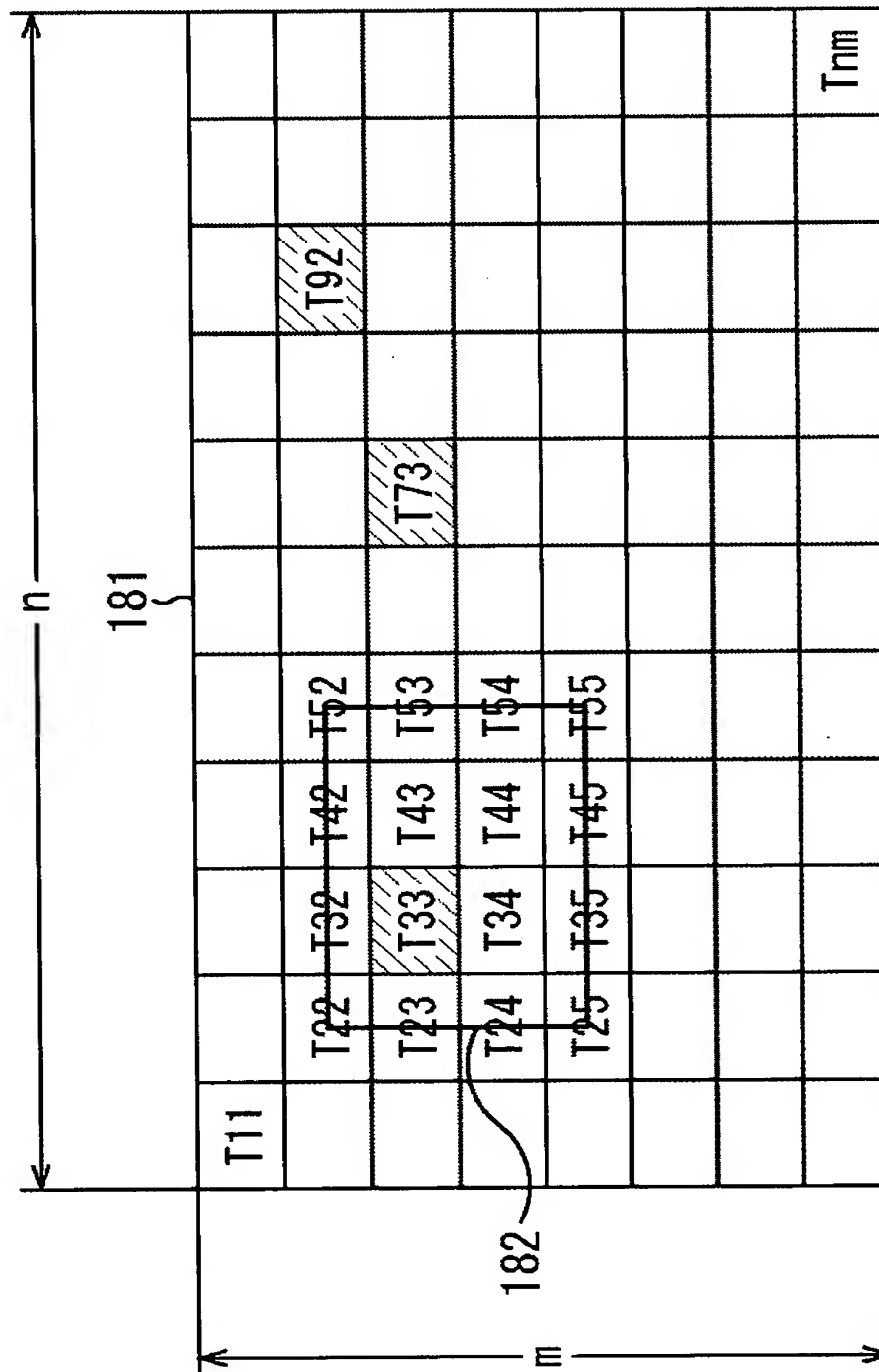


FIG. 10

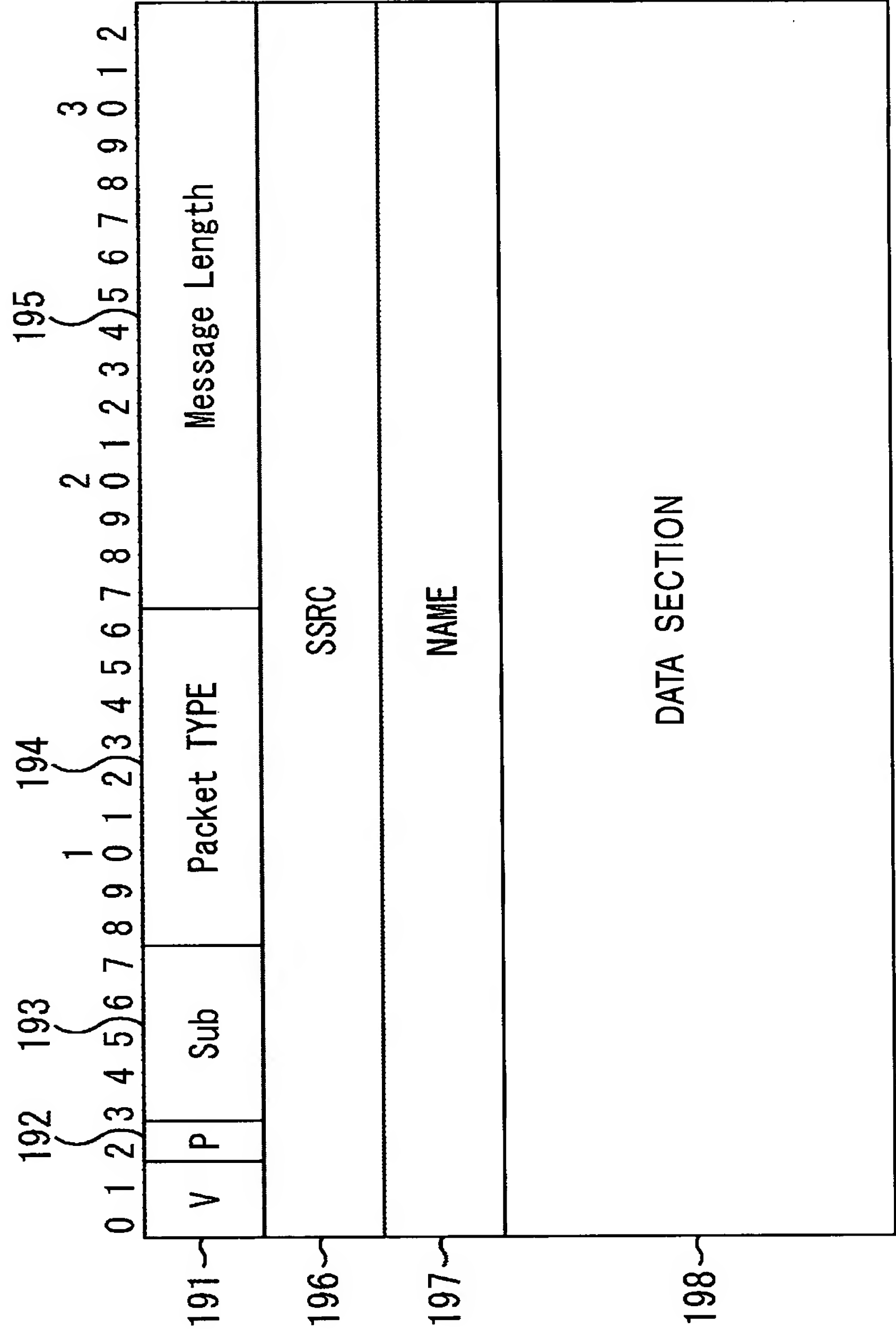


FIG. 11

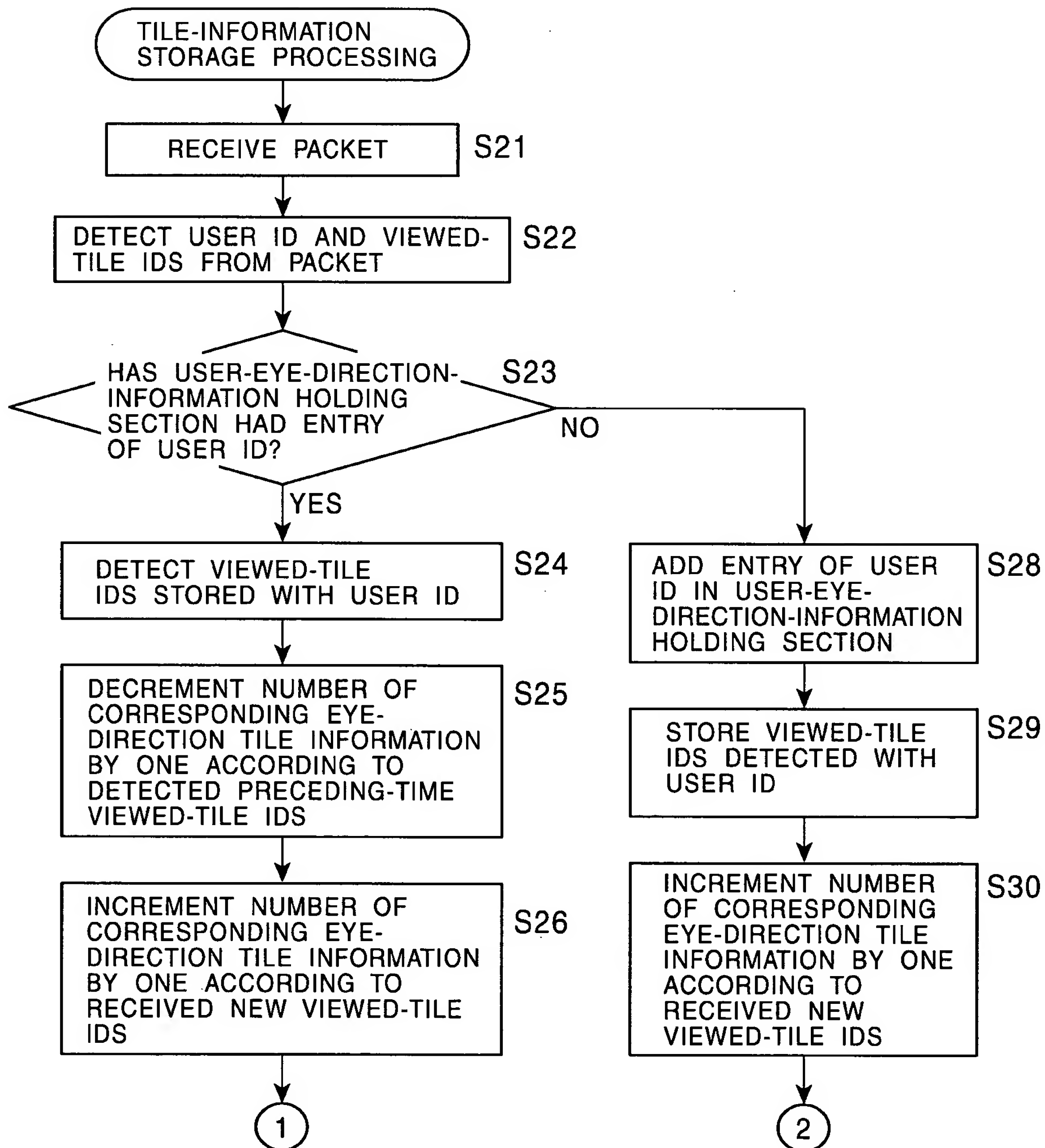


FIG. 12

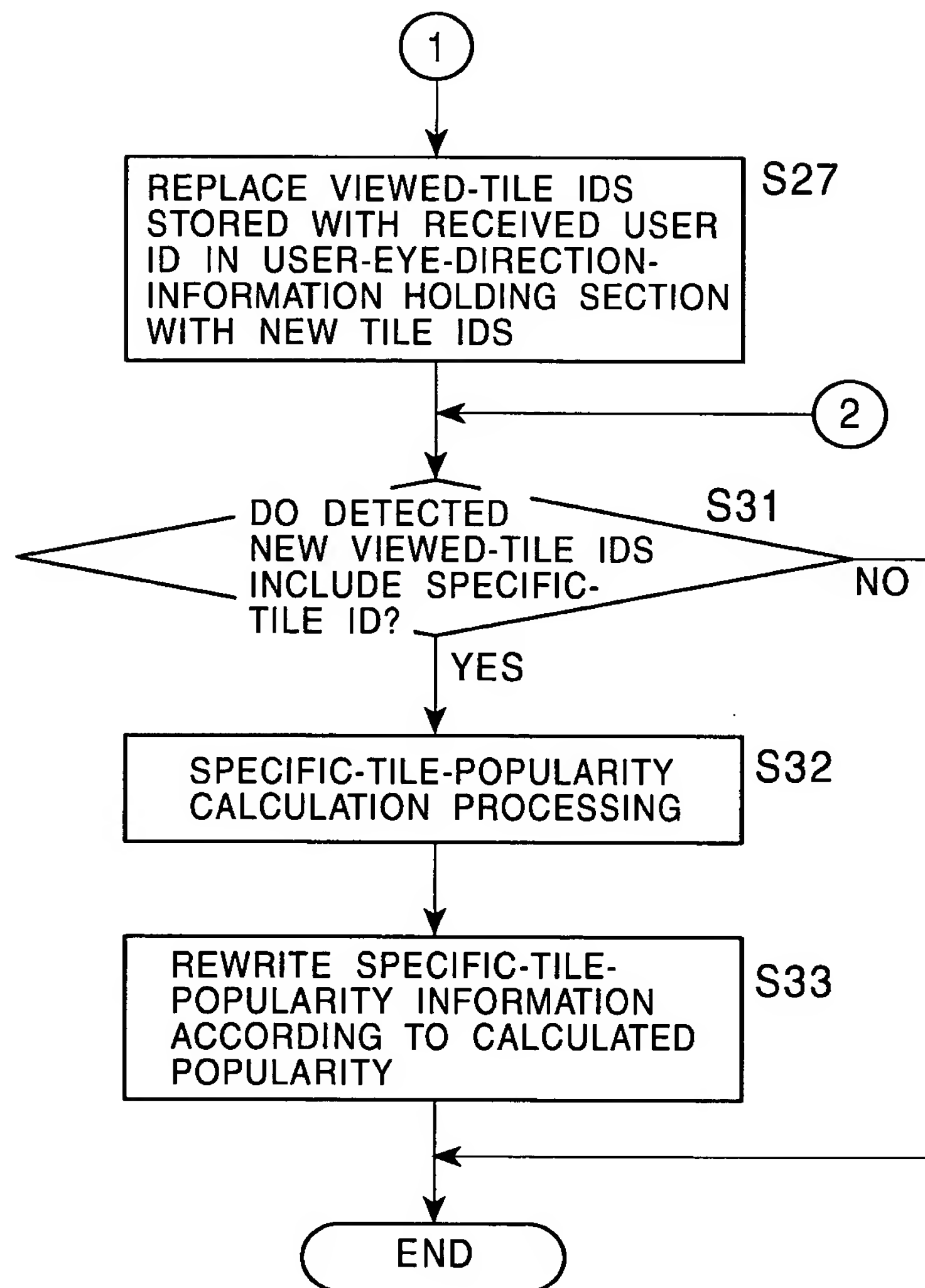


FIG. 13

211		212		
USER ID	VIEWED-TILE ID			
1234	T11	T12	T21	T22
4321	T22	T23	T32	T33
⋮	⋮	⋮	⋮	⋮
210				
113				

FIG. 14

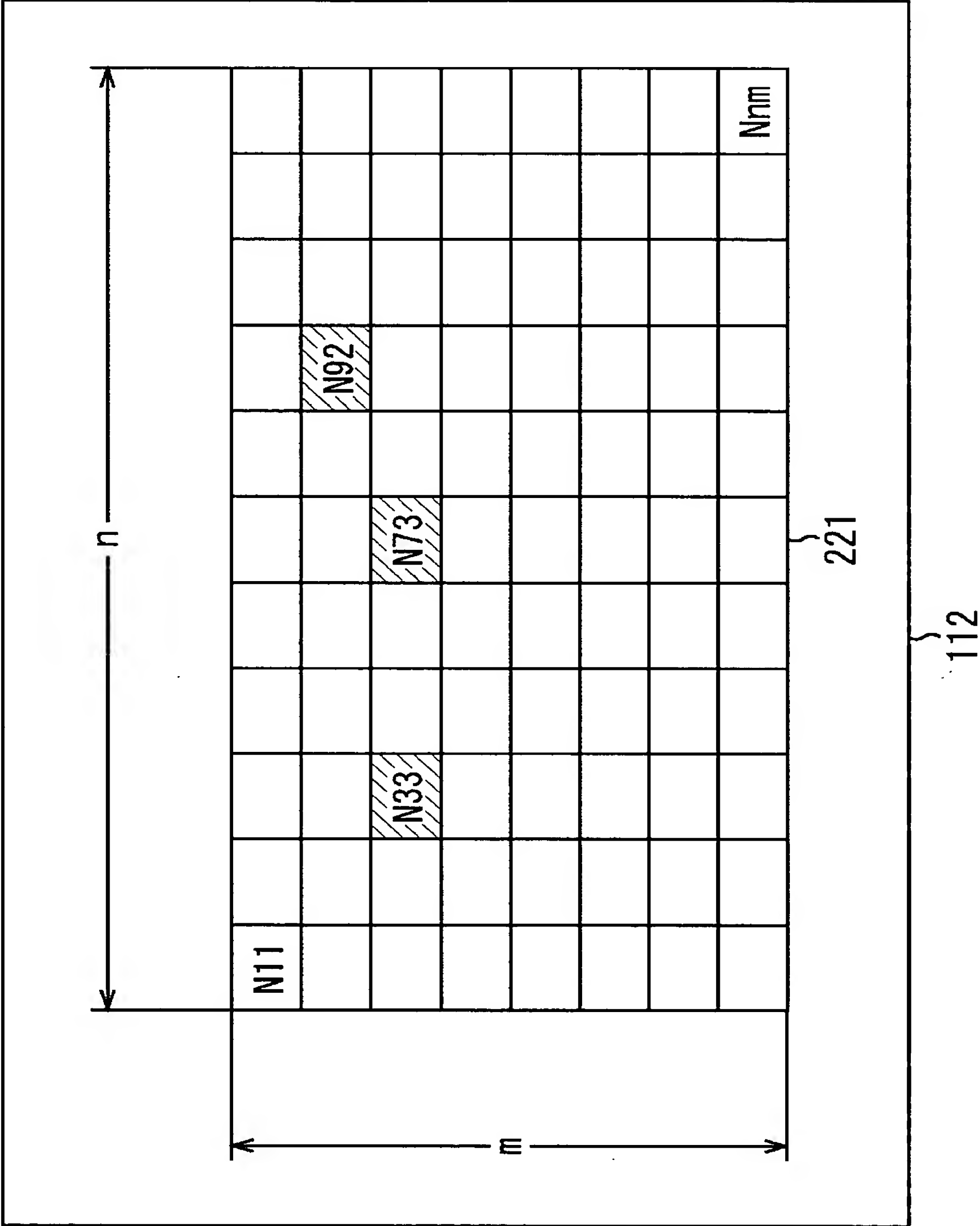


FIG. 15A

N11	N21	N31
1	1	0
N12	N22	N32
1	2	1
N13	N23	N33
0	1	1

221

FIG. 15B

211	212
USER ID	VIEWED-TILE ID
1234	T11, T12, T21, T22
4321	T22, T23, T32, T33

210

FIG. 16A

N11	N21	N31
0	0	0
N12	N22	N32
0	1	1
N13	N23	N33
0	1	1

221

FIG. 16B

211	212
USER ID	VIEWED-TILE ID
1234	T11, T12, T21, T22
4321	T22, T23, T32, T33

210

FIG. 17A

N11 0	N21 1	N31 1
N12 0	N22 2	N32 2
N13 0	N23 1	N33 1

221

FIG. 17B

211 USER ID	212 VIEWED-TILE ID
1234	T21, T31, T22, T32
4321	T22, T23, T32, T33

210

FIG. 18

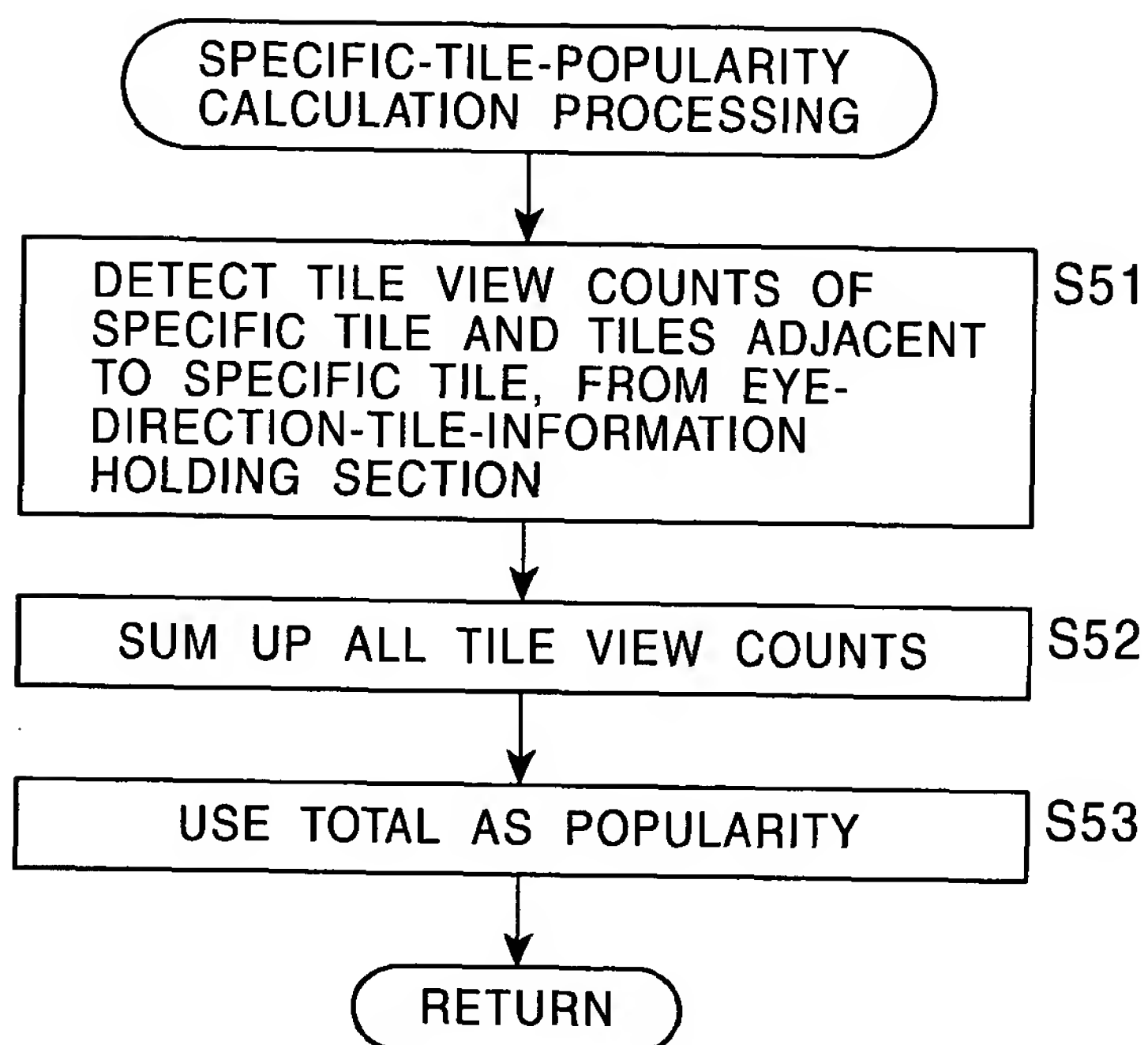


FIG. 19

T22	T32	T42
T23	T33	T43
T24	T34	T44

FIG. 20

241			242			243		
SPECIFIC TILE ID			TILE POPULARITY			RANKING		
T33			30			1		
T92			20			2		
T73			10			3		

240

111

FIG. 21

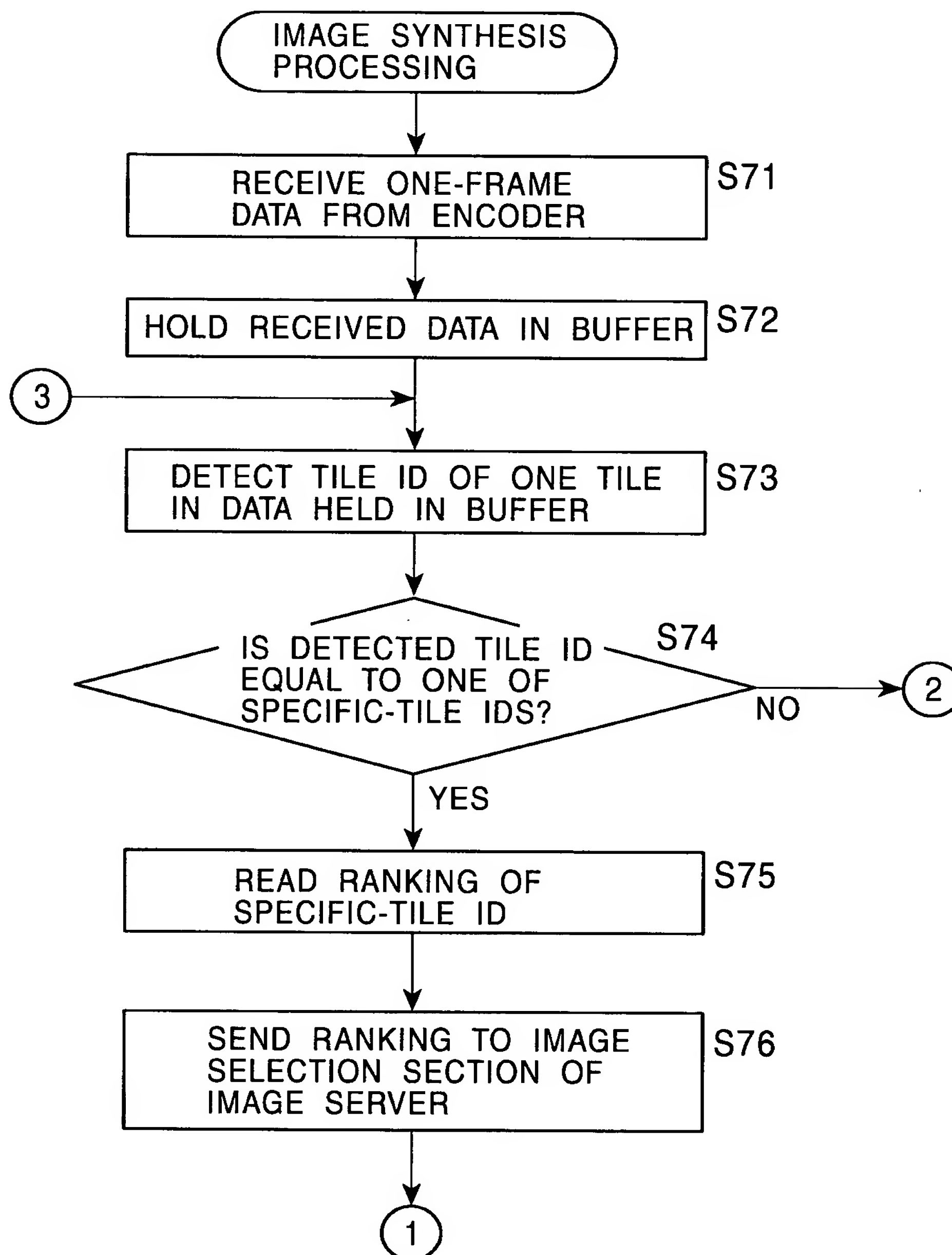


FIG. 22

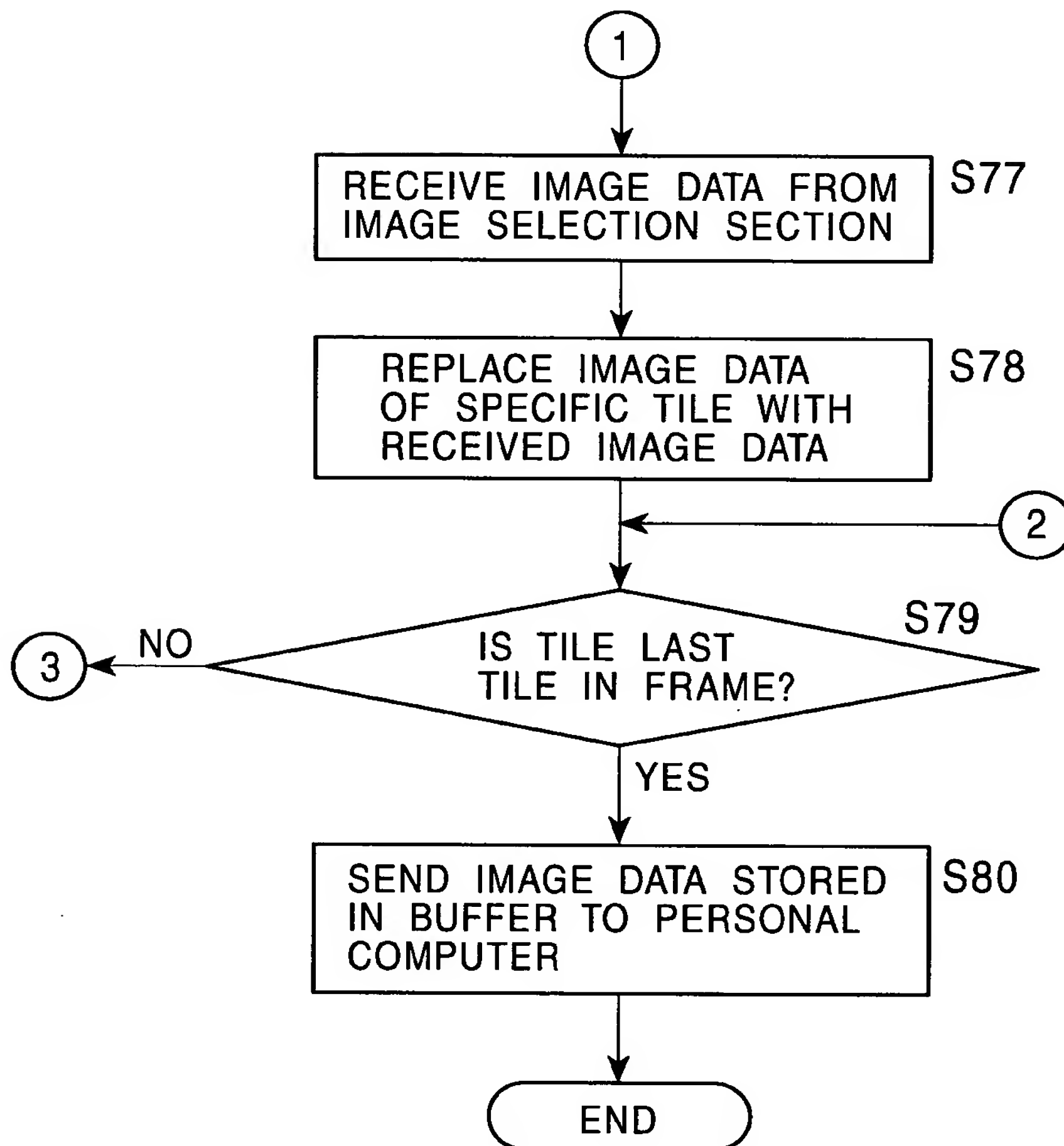


FIG. 23

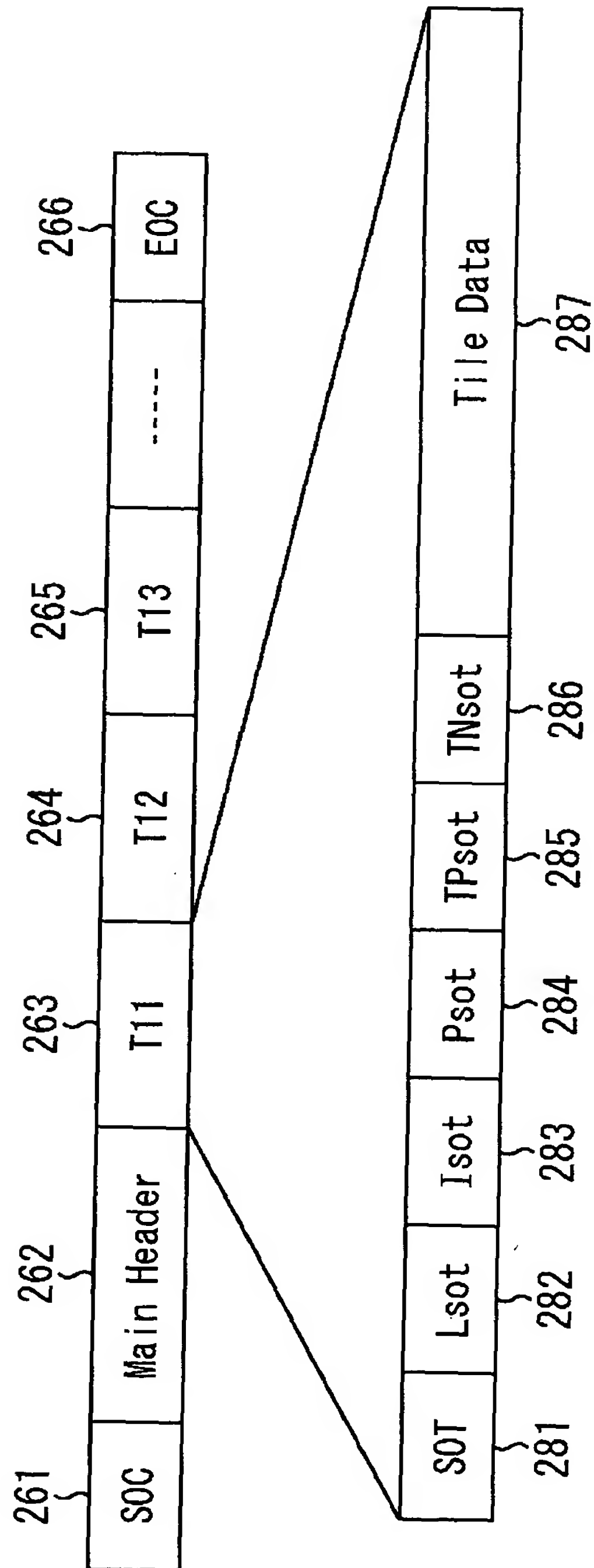
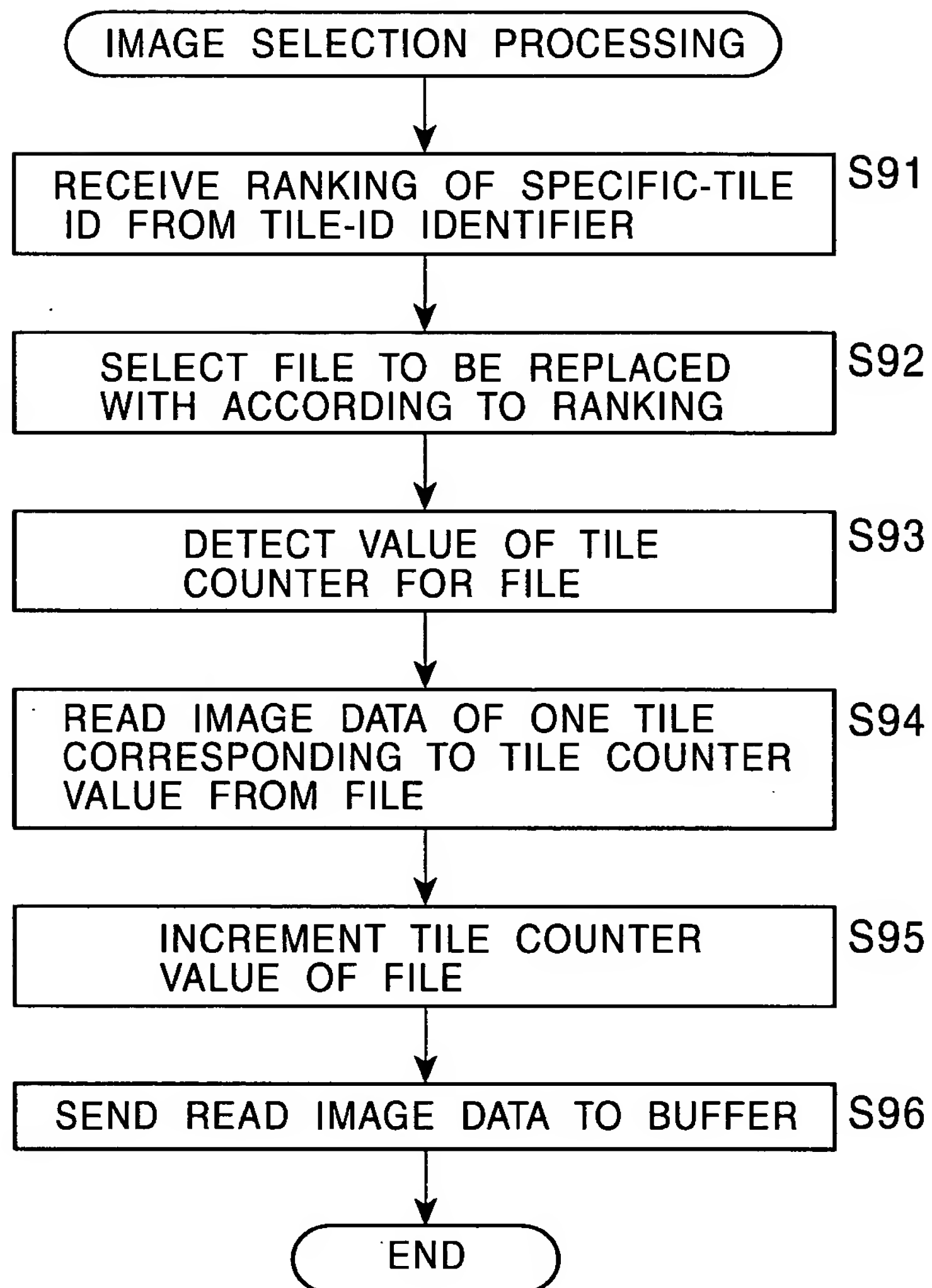


FIG. 24



Inventor: Kenji Yamane

App. No.: Unknown

Docket No.: 112857-418

Firm/Attorney: Bell, Boyd & Lloyd, LLC/B. Joe Kim

Telephone No.: (312) 807-4354

24 / 28

FIG. 25

271		272	
RANKING		FILE NAME	
1		File1	
2		File2	
3		File3	

141

FIG. 26

291		292	
FILE NAME		TILE COUNTER VALUE	
File1		30	
File2		30	
File3		29	

143

FIG. 27

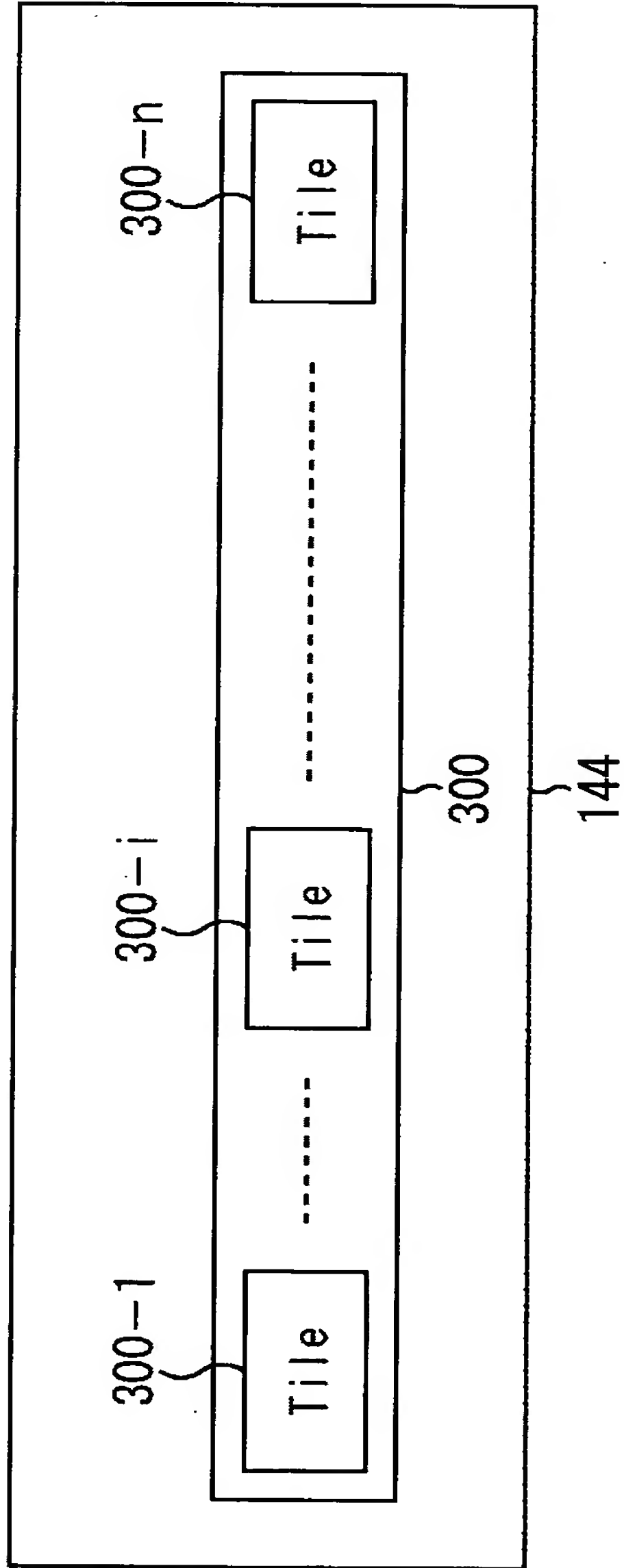


FIG. 28

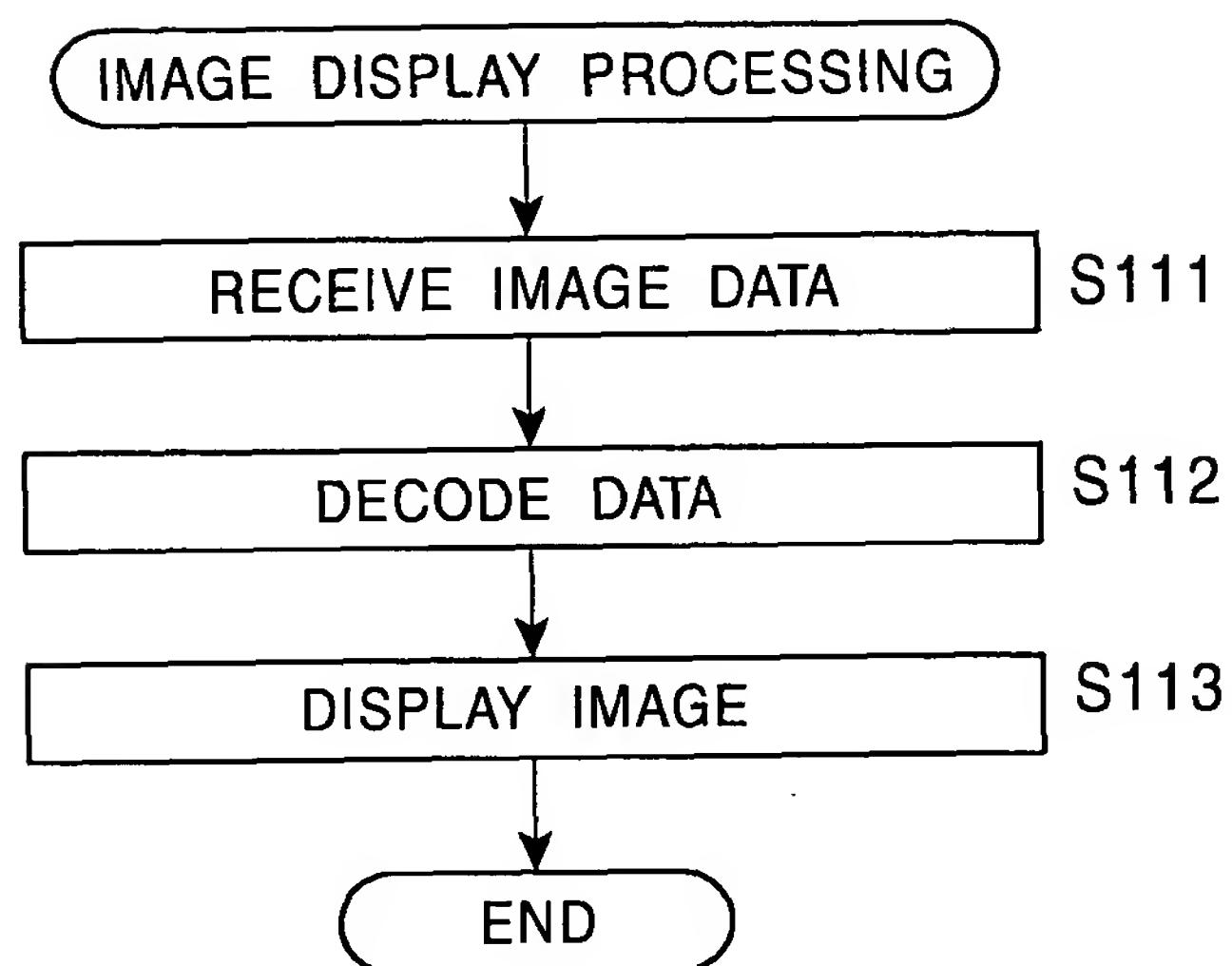


FIG. 29

